

EnQuest Kraken FPSO

Project: EnQuest Kraken FPSO

Ultimate Client: EnQuest PLC

Client: Bumi Armada

Location: UK North Sea

Project Type: Offshore

Scope: Fabrication of 5 topside modules (including major process units) with the heaviest weighing near to 2,000 tons. Delivered in 2016.

Highlights:

- Total module weights near to 7,000 tons.
- Lifting of each heavy weight module safely to integration yard which was considered as one of the extremely challenging activities.
- *“EnQuest is delighted to confirm that first oil has been achieved on the Kraken development, delivered on schedule and considerably under budget.”* EnQuest CEO, Amjad Bseisu said in 2017 press release. The same was echoed by EnQuest’s Head of Major Projects, Richard Hall.

Details:

- One of the largest current development projects in the UK North Sea, Kraken is a heavy oil (API 14) development and has an anticipated production life of up to 25 years. First oil delivered in June 2017.



- Located in the East Shetland basin, to the west of the North Viking Graben; approximately 125 km east of the Shetland Islands, at water depth of 110m.

EnQuest Kraken FPSO

- Designed to handle a peak fluid rate of 460,000 b/d (largest liquid handling capacity in UKCS) and 80,000 b/d of oil, 275,000 b/d of water injection, 20 MMSCFD of gas handling and a storage capacity of 600,000 barrels.
- Hull conversion and topsides integration carried out by Keppel Shipyard in Singapore.

Achievements / Awards:

- Completed on schedule and within budget.
- 52,000 dia-inch of exotic material duplex welding with near zero defects.
- Achieved million construction manhours with no Lost Time Incident (LTI).



Water Injection Module